

L Number	Hits	Search Text	DB	Time stamp
1	290	(correlat\$4 match\$4) same imag\$4 same geographic\$4	USPAT; US-PGPUB; IBM TDB	2004/07/13 14:07
2	113	((correlat\$4 match\$4) same imag\$4 same geographic\$4) and gps	USPAT; US-PGPUB; IBM TDB	2004/07/13 14:08
3	114	((correlat\$4 match\$4) same imag\$4 same geographic\$4) same time	USPAT; US-PGPUB; IBM TDB	2004/07/13 14:08
4	41	((correlat\$4 match\$4) same imag\$4 same geographic\$4) same time) and gps	USPAT; US-PGPUB; IBM TDB	2004/07/13 14:33
5	55	((correlat\$4 match\$4) same imag\$4 same geographic\$4) same record\$4	USPAT; US-PGPUB; IBM TDB	2004/07/13 14:34

L Number	Hits	Search Text	DB	Time stamp
1	1	("6741790").PN.	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:44
2	1	"09/900321"	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:44
7	41	((correlat\$4 match\$4) same imag\$4 same geographic\$4) same time) and gps	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:53
8	394	record\$4 same geograph\$4 same imag\$4	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:54
9	0	(record\$4 same geograph\$4 same imag\$4) same simultaneous\$4	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:54
10	0	(record\$4 same geograph\$4 same imag\$4) same simultaneously	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:54
11	51	(record\$4 same geograph\$4 same imag\$4) same gps	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:54
12	143	(record\$4 same geograph\$4 same imag\$4) same time	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:54
13	34	((record\$4 same geograph\$4 same imag\$4) same time) same during	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:55
14	14	((record\$4 same geograph\$4 same imag\$4) same time) same during) and gps	USPAT; US-PGPUB; IBM TDB	2004/07/13 15:55

US-PAT-NO: 6504571

DOCUMENT-IDENTIFIER: US 6504571 B1

TITLE: System and methods
for querying digital image archives
using recorded
parameters

----- KWIC -----

Brief Summary Text - BSTX (5):

In general, owners of multimedia archives are continuously seeking to improve the management and search capabilities of their archives in order to make it easier for users of such archives to retrieve desired information. In particular, it would be useful to be able to query a multimedia archive comprised of digital images (e.g., photographs or video sequences) by specifying certain parameters which are recorded on the digital images such as names of geographic locations, altitude, longitude, time and/or date, and searching the contents of the archive to retrieve every digital image having the specified parameters. By way of example, in order to relive the experience of escaping a cold winter in the northeast

US-PAT-NO: 6366311

DOCUMENT-IDENTIFIER: US 6366311 B1

TITLE: Record and playback
system for aircraft

----- KWIC -----

Brief Summary Text - BSTX (11):

The subject invention is directed to a recording and playback system wherein multiple data and images are multiplexed and sequenced utilizing split screen technology in order to minimize the recording and monitoring hardware required to process the images in order to provide a detailed record of the time of an event, the altitude and geographic location of the aircraft and the type and location of the event within the aircraft, greatly enhancing event reconstruction efforts. The system is a comprehensive multi-media safety and surveillance system, which in the preferred form provides both visual and audio information as well as critical data to the flight crew, and to a ground tracking station, and also permits recording the information and data generated during flight for archival purposes and for

6282362

DOCUMENT-IDENTIFIER: US 6282362 B1

TITLE: Geographical
position/image digital recording and
display system

----- KWIC -----

Brief Summary Text - BSTX (7):

In Honda, U.S. Pat. No. 5,296,884,
there is disclosed a data recording
camera w

referred to as geo-addressing.

Detailed Description Text - DETX (11):

The recording unit 102 also includes a recording controller 181 which is provided with suitable control and data connections means (not shown) to and from the GPD 110, the GPDR 130, the optical system 160, the audio pickup device 172 and the IRD 180 for controlling the sequence and timing of the capture and recording of the system 102 position at the time of capture and recording of the object image 150 and audio data Af. Means may also be provided for recording the time, Ti, of the capture of the image 150 as image data, If, which is associated with the geographical location, Li, determined at the time, Ti, therewith. The digital object image data 170, and the digital audio data 174 is automatically geo-addressed to the position where the image 150 was captured. The digital object image data 170 and digital audio data 174 thus may be stored with reference to a geo-addressed map during later playback as described below.

Detailed Description Text - DETX (26):

In operation, a user wo

DOCUMENT-IDENTIFIER: US 20020060784 A1

TITLE: 3D multispectral
lidar

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Detail Description Paragraph - DETX (62):

[0086] The range and image data collected from the above described optical systems is correlated with position and orientation data (hereinafter POS data), wherein the POS data is used to transform the range image data to its exact geographic coordinate. The POS data is collected by a POS device, wherein said POS device comprises a global positioning system (GPS), wherein said GPS is tightly coupled to an inertial measurement unit (IMU). The coupling of the GPS to the IMU allows the POS device to correct the data collected from said device, wherein the effects of aircraft vibration and motion are factored into the positioning of the POS device. Kalman filtering techniques are used to correct the POS data.

The POS device can be any position and orientation sensor device which functions detect the three rotation angles relative to the three axes

DOCUMENT-IDENTIFIER: US 20020047895 A1

TITLE: System and method
for creating, storing, and utilizing
composite images of a
geographic location

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Abstract Paragraph - ABTX (1):
A system and method synthesizing i

he imagery being depicted.

Summary of Invention Paragraph - BSTX (9):

[0008] Accordingly, there is a need for a system and method for creating a visual database of a comprehensive geographic area in a more time and cost efficient manner. Such a system should not require the reconstruction of 3D scene geometry nor the dense sampling of the locale in multiple dimensions. Furthermore, the images in the database should provide a wider field of view of a locale to provide context to the objects being depicted. The database should further correlate the images with additional information related to the geographic location and objects in the location to further enhance the viewing experience.

Summary of Invention Paragraph - BSTX (12):

DOCUMENT-IDENTIFIER: US 20020047798 A1

TITLE: IMAGE ACQUISITION
AND RETRIEVAL SYSTEM EMPLOYING
POSITION DATA

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Summ

tween image data and position data corresponding to the location of the object.

Detail Description Paragraph - DETX (30):

[0052] The position data correlated with each image acquired by the image acquisition stage 12 can be acquired at the time of image capture, or the position data can be acquired or updated after the image is acquired. The position data can be acquired at a selected time after image capture by acquiring an available and suitable GPS signal with a GPS receiver mounted either in the image acquisition stage 12 or at another secondary location, such as in the storage and control stage 20. Alternatively, the captured or acquired image data can be temporarily stored at the image acquisition stage 12 for a time sufficient for the receiver 36 to receive position signals corresponding to the geographical position of the object. Once the position and image data are acquired, the image and position data can be transferred to the storage and control stage 20 for further processing.

Detail Description Paragraph - DETX (32):

[0054] FIG. 4 is a schematic flowchart diagram illustrating the b

US-PAT-NO: 6741790

DOCUMENT-IDENTIFIER: US 6741790 B1

TITLE: GPS video mapping
system

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Brief Summary Text - BSTX (2):

The present invention relates generally to the field of geographical information systems. The present invention relates particularly to correlating geographical information from a global positioning system with images that are recorded by a portable video recording device.

Brief Summary